### III.A. Centerline Cuts Checklist

**C-R-S:** | **PID:** | **Reviewer:** | **Date:**
---|---|---|---

If you do not have a centerline cut on the project, you do not have to fill out this checklist.

#### Soil Cuts

<p>| | | | | | |</p>
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<thead>
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</thead>
<tbody>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>1</td>
<td>Does drilling provide continuous stratigraphic sections for the range of elevations that represent proposed cut slope areas?</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>2</td>
<td>Do the cut slopes have a minimum stability F.S. of 1.30 and are not steeper than 2:1?</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Check stability calculation method used:</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>□ GSTABL7 or equivalent software</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>□ hand calculations</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>3</td>
<td>If there is a “red bed” or other historically unstable soil or rock layer through the cut slopes, was this layer considered as a possible failure zone?</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>4</td>
<td>Have erosion protection measures been addressed for backslopes, side slopes, and ditches (including riprap recommendations or special slope treatments)?</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>5</td>
<td>Have issues related to any special usage of excavated soils been addressed?</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>6</td>
<td>If the cut is not completely above the water table,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>a Did the design consider the construction or long term ramifications of cutting below the water table?</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td></td>
<td>b Did the design consider additional drainage in the cut slope (springs / seeps) and roadway base?</td>
<td></td>
</tr>
</tbody>
</table>

#### Rock Slopes

For rockfall and additional design considerations, see the “Rockfall Corrections Checklist.”

<p>| | | | | |</p>
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<tr>
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<tbody>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>7</td>
<td>Has the subsurface exploration adequately characterized the rock in accordance with the Geotechnical Bulletin 3: Rock Cut Slope and Catchment Design (GB 3)?</td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>8</td>
<td>Have the slope angles, benching scheme, rockfall catchment design, and drainage controls been determined as prescribed in GB 3?</td>
</tr>
<tr>
<td>Y</td>
<td>N</td>
<td>X</td>
<td>9</td>
<td>In accordance with GB 3, are the rock cut slopes, benches, and catchment areas indicated on all appropriate cross-sections?</td>
</tr>
</tbody>
</table>
### III.A. Centerline Cuts Checklist

| Y | N | X | 10 | In accordance with GB 3, has the rockfall catchment software analysis output and the cost analysis comparing catchment configurations been provided? |

**Notes:**

Stage 1: